

Yuri Kurilenkov

List of Publications by Year in descending order

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13
papers

140
citations

1163117

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1199594

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13
all docs

13
docs citations

13
times ranked

24
citing authors

#	ARTICLE	IF	CITATIONS
1	Streamer formation processes trigger intense x-ray and high-frequency radio emissions in a high-voltage discharge. <i>Physical Review E</i> , 2022, 105, .	2.1	7
2	Polydisperse inter-electrode plasma of Pd nanoclusters as a random cavity for x-ray spontaneous emission bursts. <i>Plasma Research Express</i> , 2021, 3, 015003.	0.9	2
3	Proton-boron fusion in a compact scheme of plasma oscillatory confinement. <i>Physical Review E</i> , 2021, 103, 043208.	2.1	8
4	X-Ray Trapping and Bursts in a Complex Plasma of Nanosecond Vacuum Discharge. <i>Plasma Physics Reports</i> , 2021, 47, 752-758.	0.9	0
5	Simulation of protonâ€“boron nuclear burning in the potential well of virtual cathode at nanosecond vacuum discharge. <i>Journal of Physics: Conference Series</i> , 2016, 774, 012133.	0.4	8
6	Neutron yield and Lawson criterion for plasma with inertial electrostatic confinement. <i>Journal of Physics: Conference Series</i> , 2016, 774, 012132.	0.4	6
7	Nuclear burning in a compact scheme of inertial electrostatic confinement as imitation of stellar nucleosynthesis. Experiment and PIC modeling. <i>Journal of Physics: Conference Series</i> , 2015, 653, 012025.	0.4	7
8	On the features of bursts of neutrons, hard x-rays and alpha-particles in the pulse vacuum discharge with a virtual cathode and self-organization. <i>Journal of Physics: Conference Series</i> , 2015, 653, 012026.	0.4	11
9	Warm Dense Matter Generation and DD Synthesis at Vacuum Discharge with Deuteriumâ€“Loaded Pd Anode. <i>Contributions To Plasma Physics</i> , 2011, 51, 427-443.	1.1	15
10	Inertial electrostatic confinement and nuclear fusion in the interelectrode plasma of a nanosecond vacuum discharge. I: Experiment. <i>Plasma Physics Reports</i> , 2010, 36, 1219-1226.	0.9	11
11	Inertial electrostatic confinement and nuclear fusion in the interelectrode plasma of a nanosecond vacuum discharge. II: Particle-in-cell simulations. <i>Plasma Physics Reports</i> , 2010, 36, 1227-1234.	0.9	17
12	Inertial electrostatic confinement and DD fusion at interelectrode media of nanosecond vacuum discharge. PIC simulations and experiment. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 214041.	2.1	25
13	Multiple DD fusion events at interelectrode media of nanosecond vacuum discharge. <i>Journal of Physics A</i> , 2006, 39, 4375-4386.	1.6	23